

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100941.D
 Acq On : 28 Nov 2017 18:33
 Operator : SJ/JU
 Sample : I6610-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

Manual Integrations
 APPROVED

Sohil
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Quant Time: Nov 29 07:26:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	67695	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	238628	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	94691	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	149230	20.00	ng	0.00
75) Chrysene-d12	14.03	240	149693	20.00	ng	0.00
86) Perylene-d12	15.50	264	137735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	398515	94.37	ng	0.01
7) Phenol-d6	6.49	99	451023	86.61	ng	0.00
23) Nitrobenzene-d5	7.42	82	279510	77.44	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	93211	96.60	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	542156	87.18	ng	0.00
78) Terphenyl-d14	12.97	244	395292	60.68	ng	0.00
Target Compounds						
10) Phenol	6.50	94	15781	2.887	ng	98
48) Acenaphthylene	9.76	152	21118	2.145	ng	96
49) Dimethylphthalate	9.60	163	38198	5.283	ng	99
51) Acenaphthene	9.93	154	17702	2.956	ng	97
54) Dibenzofuran	10.10	168	19002	2.264	ng	# 97
57) Fluorene	10.44	166	20434	3.323	ng	# 94
70) Phenanthrene	11.41	178	383488	48.807	ng	98
71) Anthracene	11.46	178	79310	9.949	ng	99
72) Carbazole	11.61	167	35267	4.795	ng	97
74) Fluoranthene	12.60	202	542105	65.101	ng	97
77) Pyrene	12.83	202	489118	45.837	ng	99
79) Butylbenzylphthalate	13.44	149	11159	2.564	ng	# 87
80) Benzo(a)anthracene	14.02	228	284884	31.603	ng	98
82) Chrysene	14.05	228	244310	27.987	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	17423	3.044	ng	100
85) Indeno(1,2,3-cd)pyrene	16.97	276	99164	14.045	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	300299m	36.801	ng	
88) Benzo(k)fluoranthene	15.09	252	101119m	13.115	ng	
89) Benzo(a)pyrene	15.44	252	194929	26.946	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	26930m	4.552	ng	
91) Benzo(g,h,i)perylene	17.42	276	94145	16.256	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

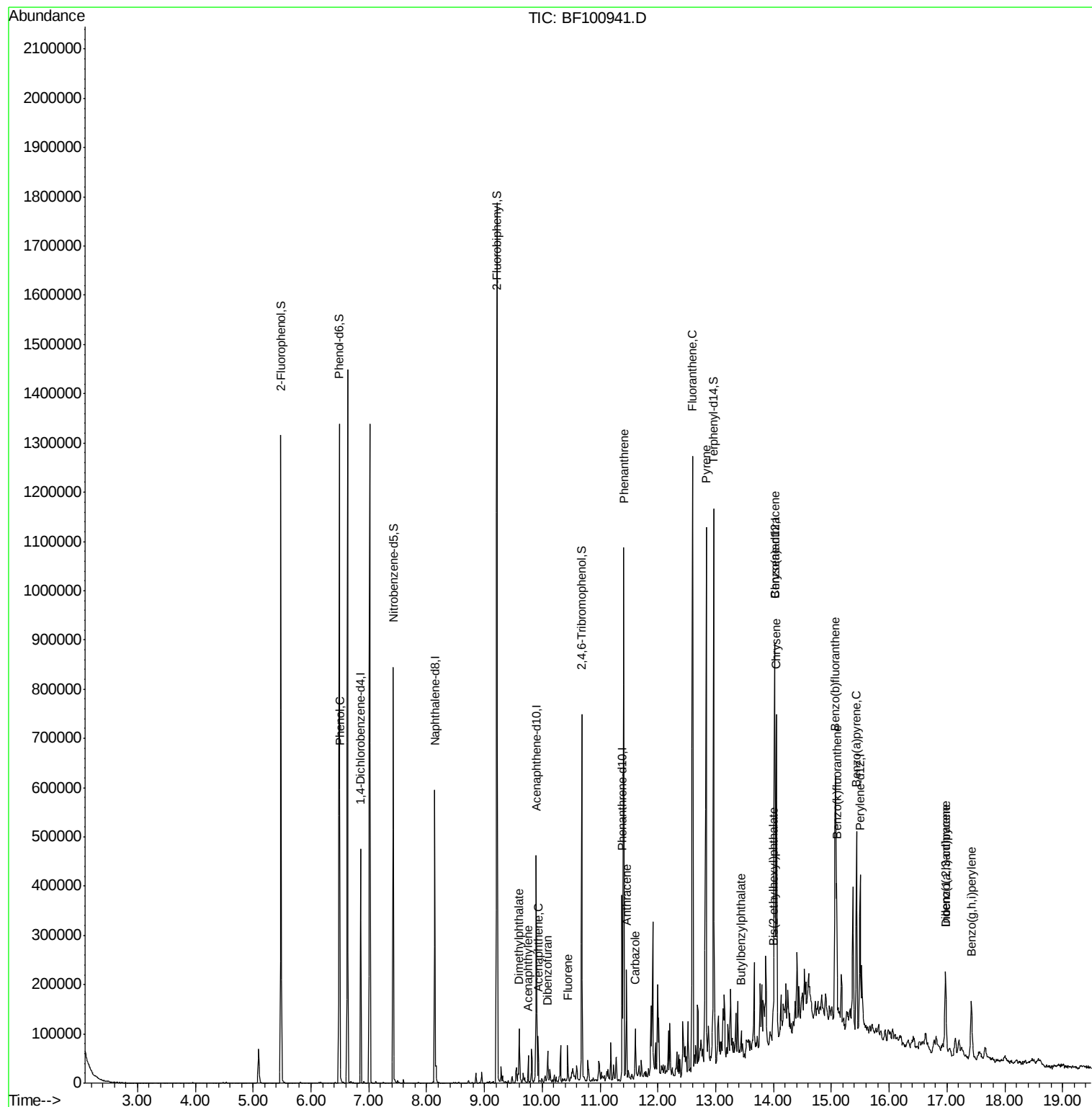
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
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ALS Vial : 20 Sample Multiplier: 1

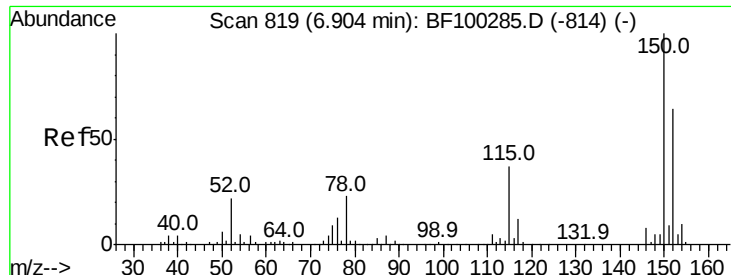
Instrument :
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ClientSampleId :
SB-5(0-2)-20171127

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

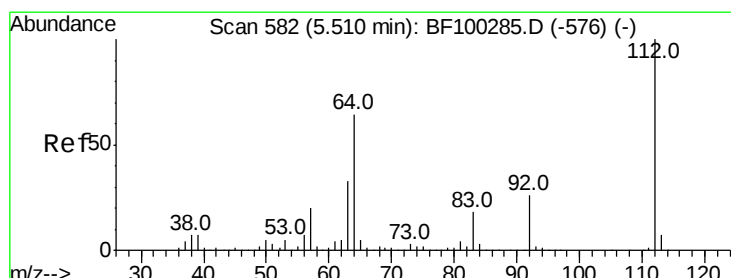
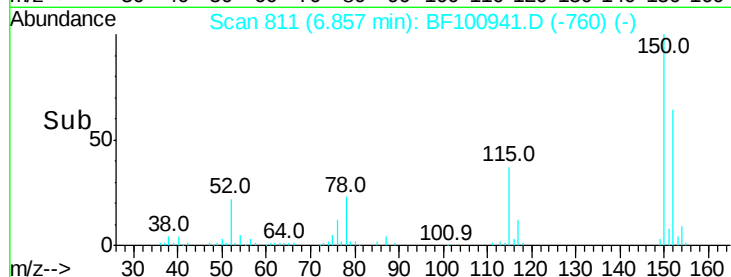
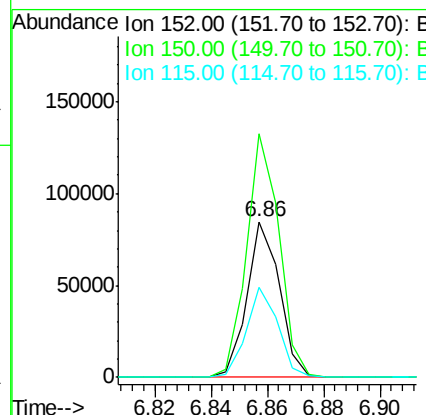
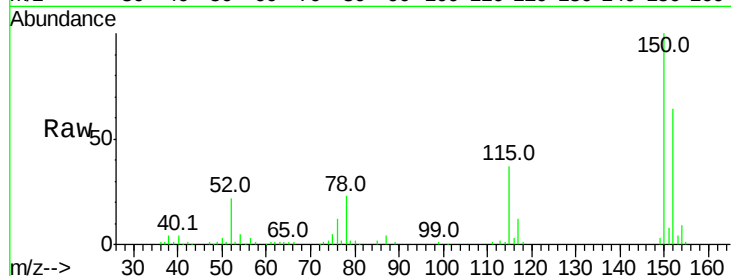
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	57.9	50.1	75.1

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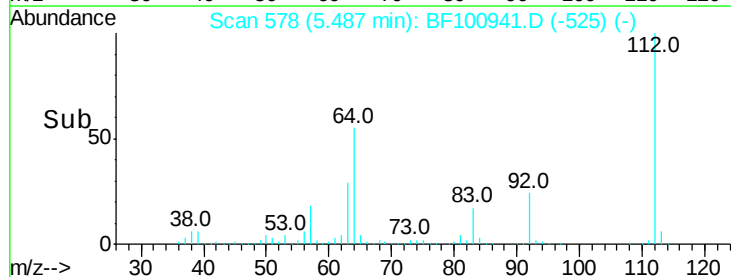
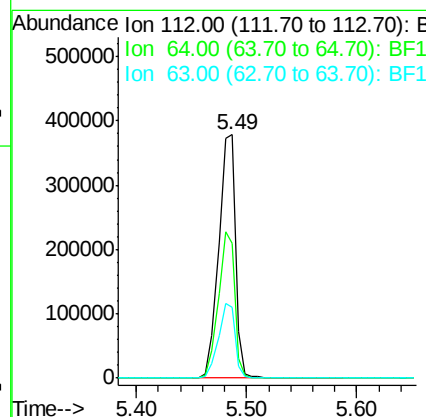
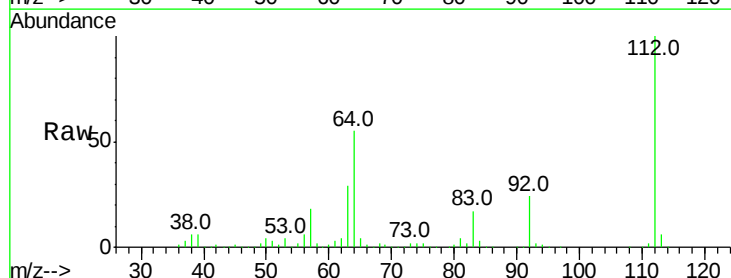
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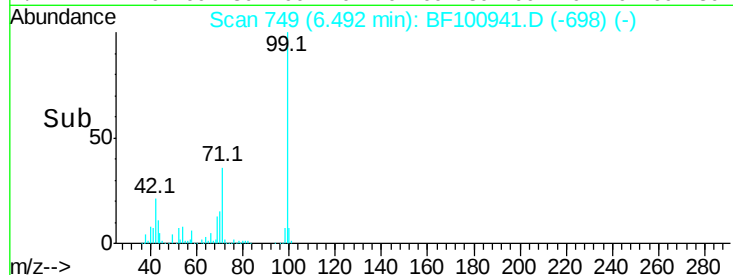
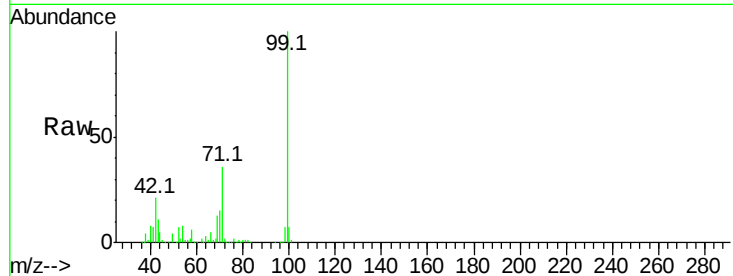
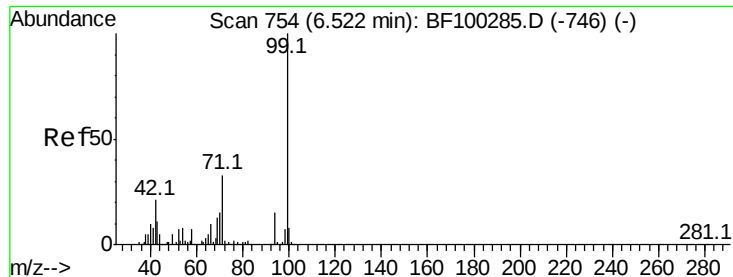


#5

2-Fluorophenol
Concen: 94.367 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 86.609 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tot Ion:	99	Resp:	451023
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	35.9	25.4	38.0

Instrument :

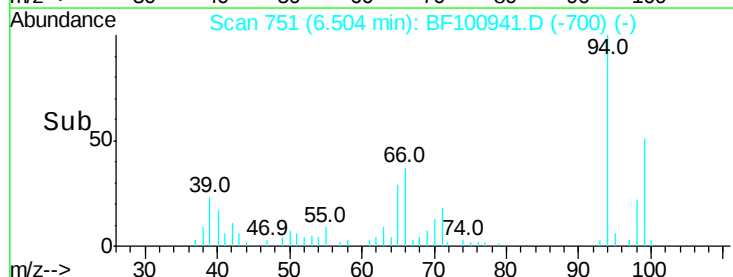
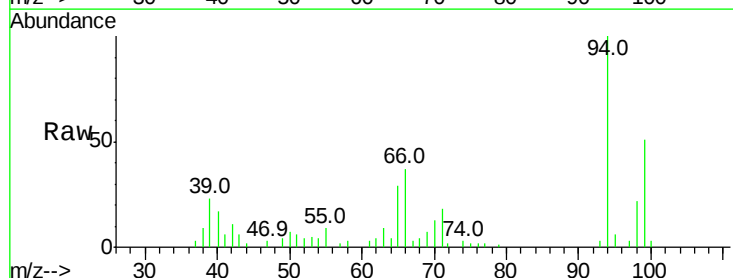
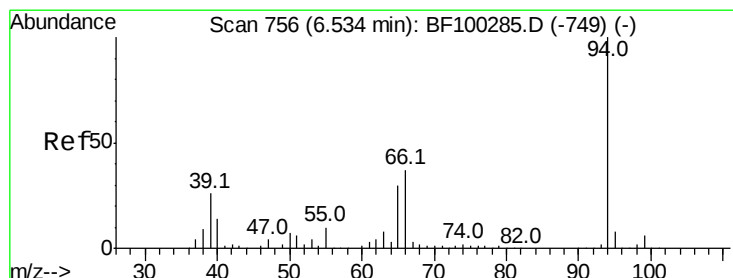
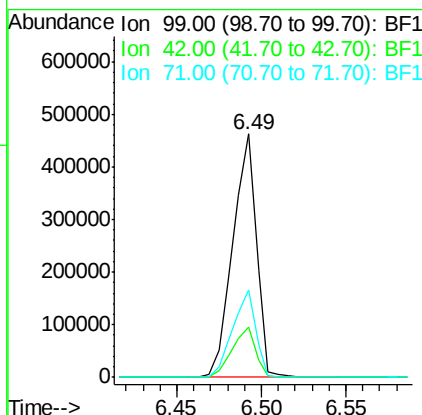
BNA_F

ClientSampleId :

SB-5(0-2)-20171127

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#10

Phenol

Concen: 2.887 ng

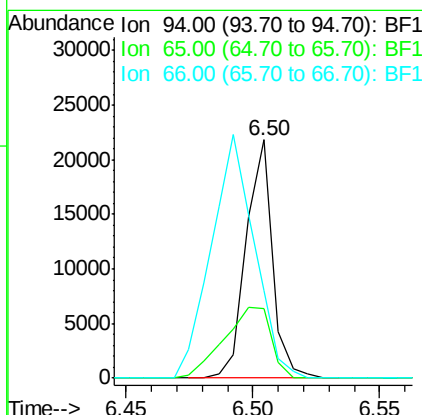
RT: 6.50 min Scan# 751

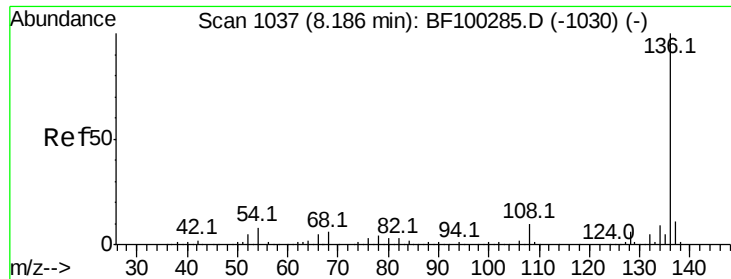
Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion:	94	Resp:	15781
Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	36.9	16.2	56.2





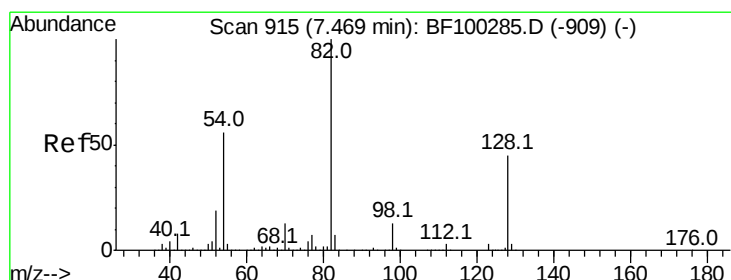
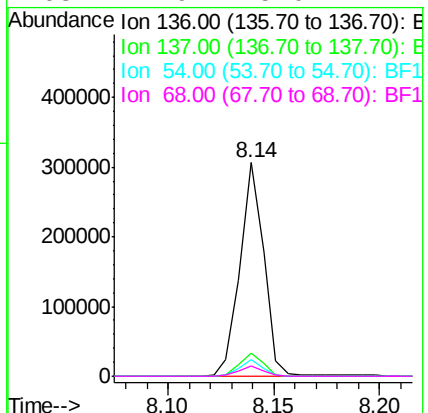
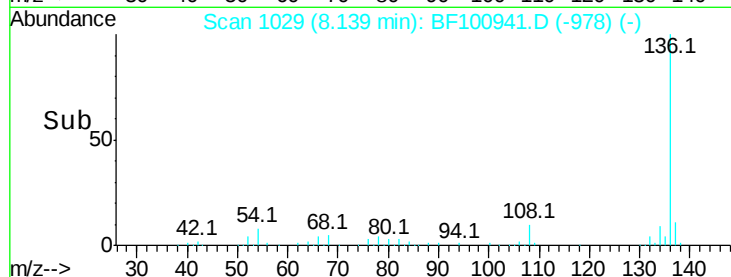
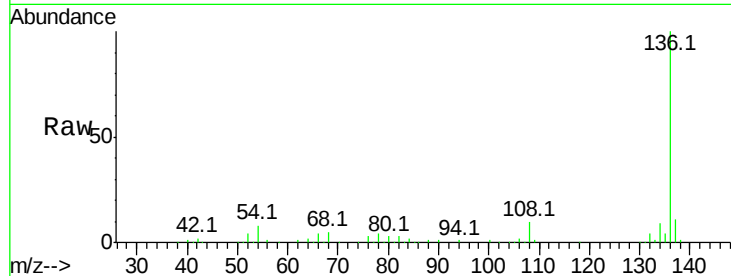
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.0	6.6	9.8	
68	4.9	5.0	7.4	

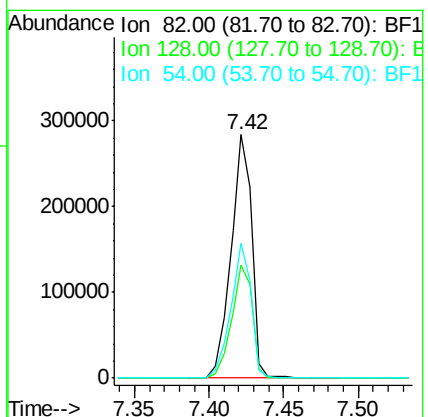
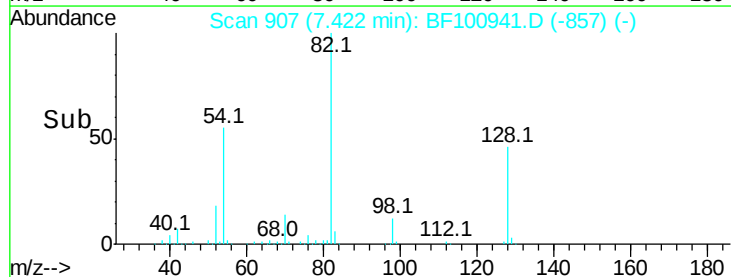
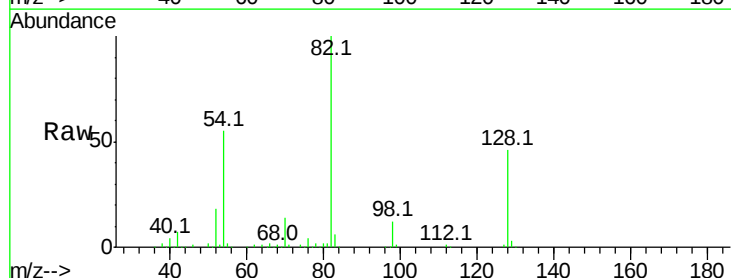
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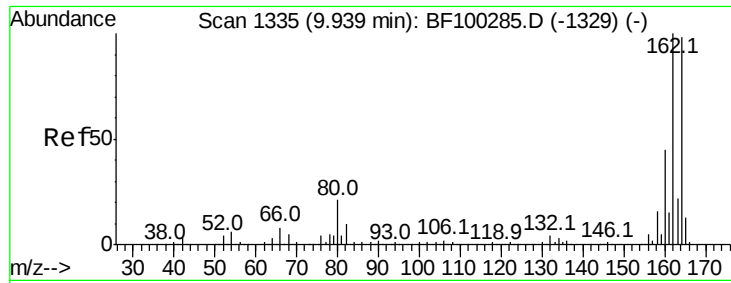
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#23
Nitrobenzene-d5
Concen: 77.440 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	36.1	54.1	
54	55.2	41.4	62.2	





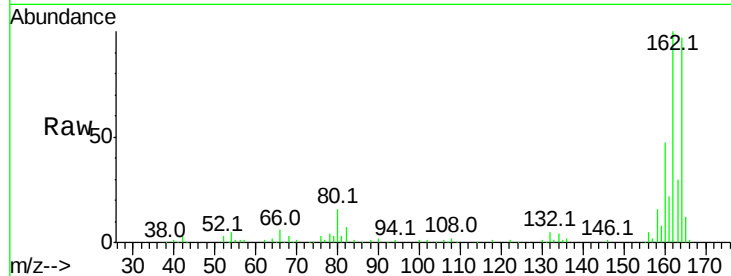
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

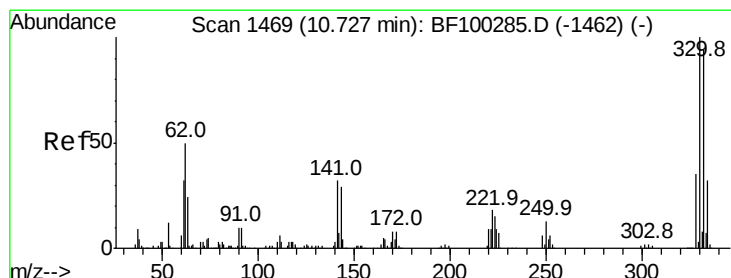
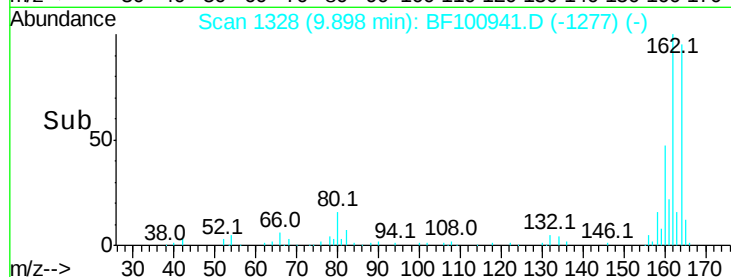
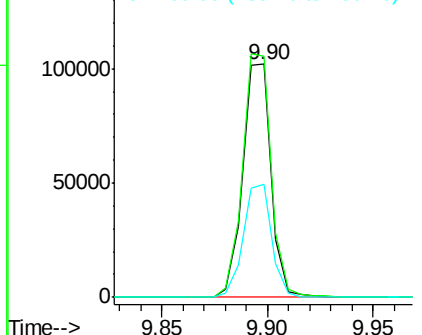
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	48.3	38.3	57.5

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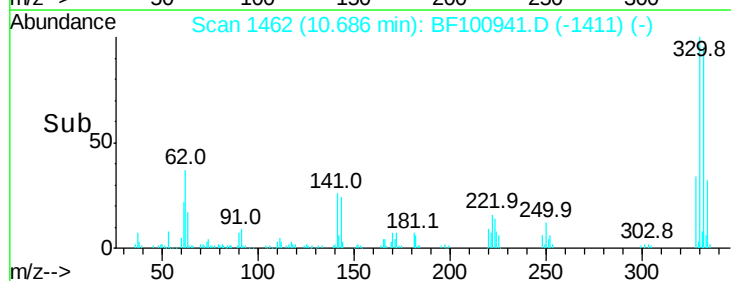
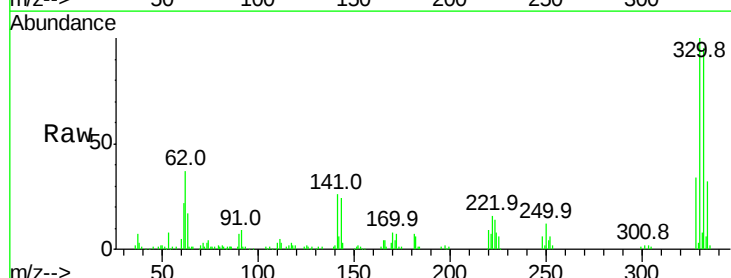
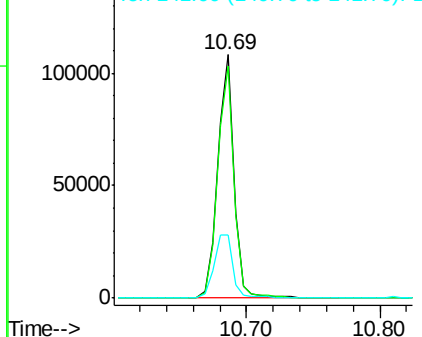
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 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

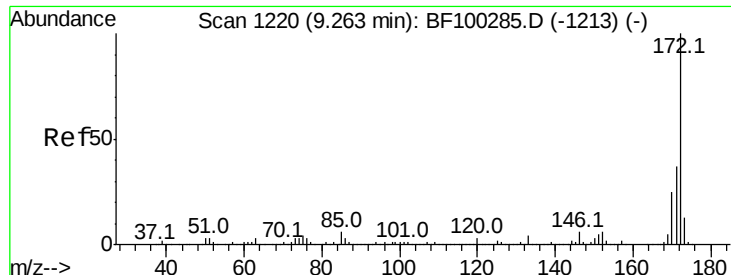


#41
 2,4,6-Tribromophenol
 Concen: 96.602 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	30.2	29.9	44.9

Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





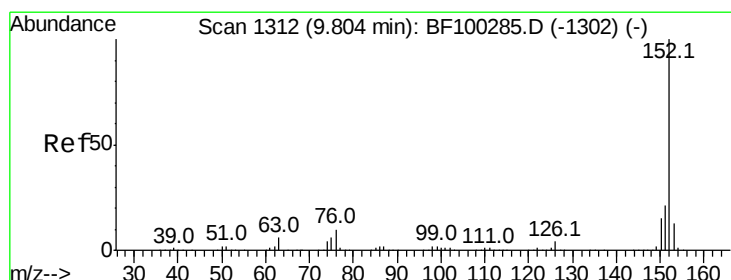
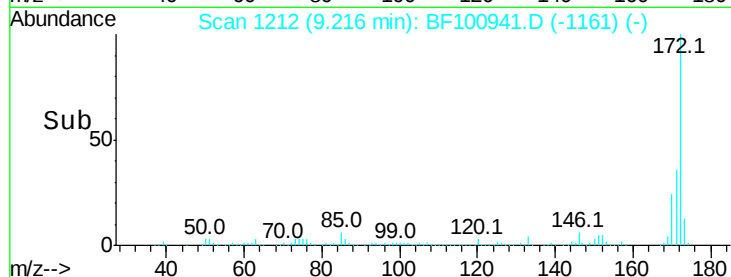
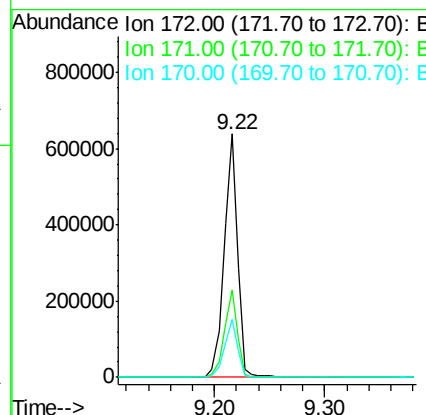
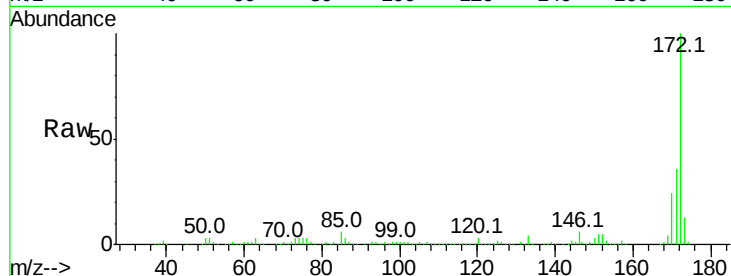
#44
 2-Fluorobiphenyl
 Concen: 87.183 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
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 SB-5(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
172	100	542156		
171	36.2		29.7	44.5
170	24.0		19.6	29.4

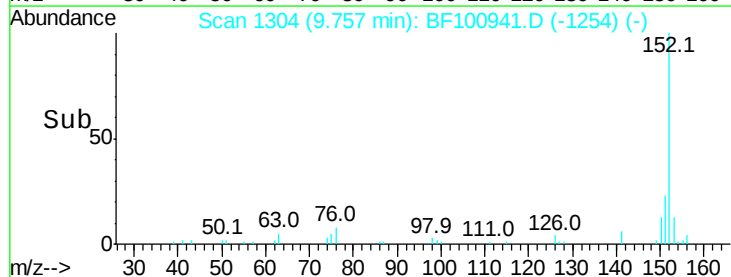
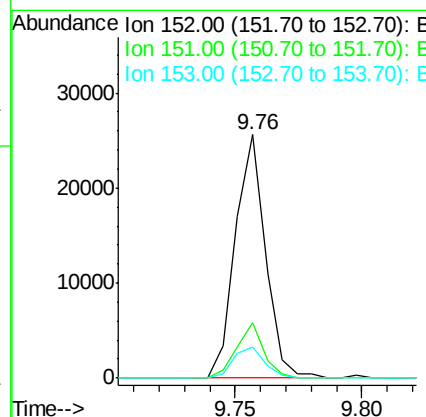
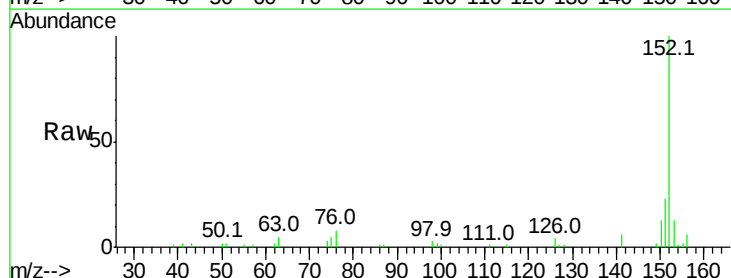
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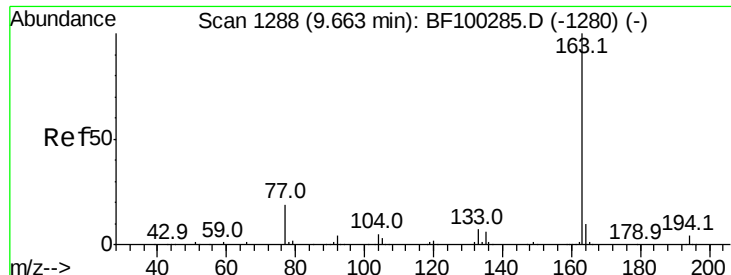
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#48
 Acenaphthylene
 Concen: 2.145 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	21118		
151	22.8		16.3	24.5
153	12.6		10.7	16.1





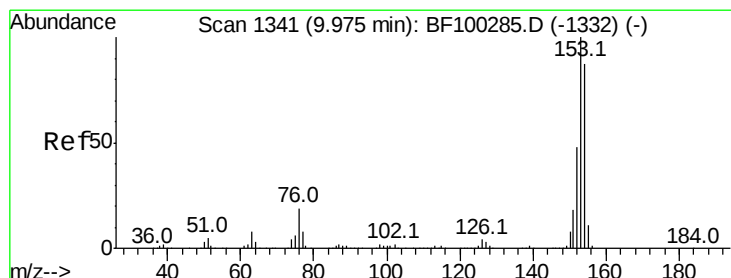
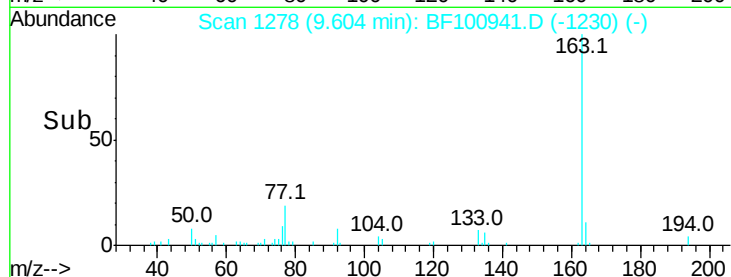
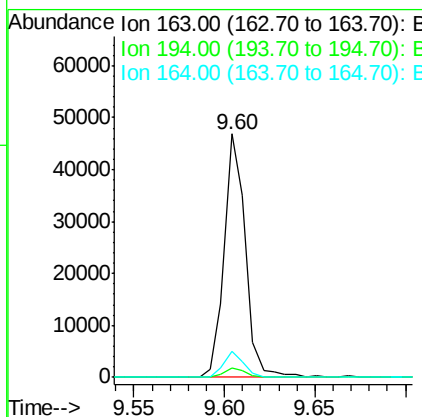
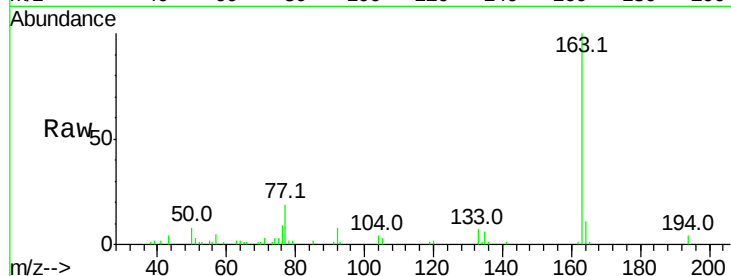
#49
 Dimethylphthalate
 Concen: 5.283 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7		2.7	4.1
164	10.5		8.2	12.2

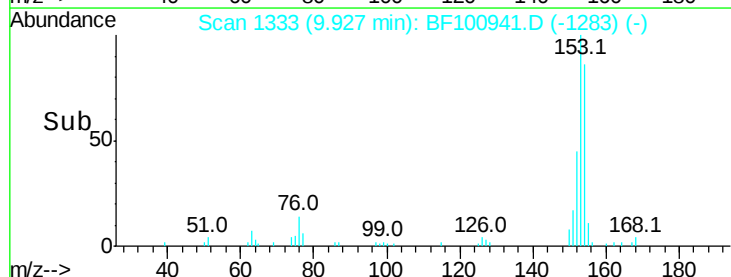
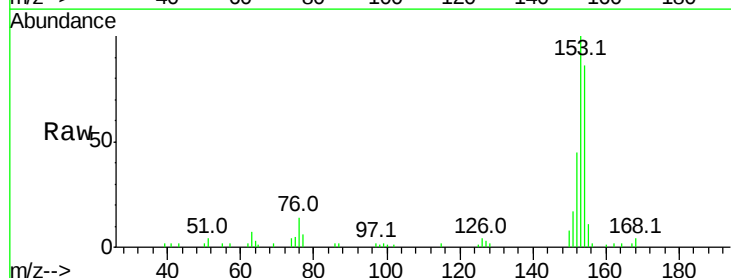
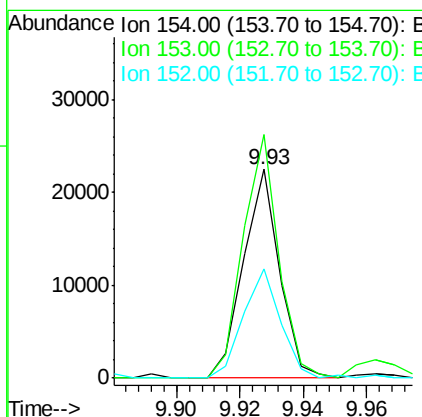
Manual Integrations
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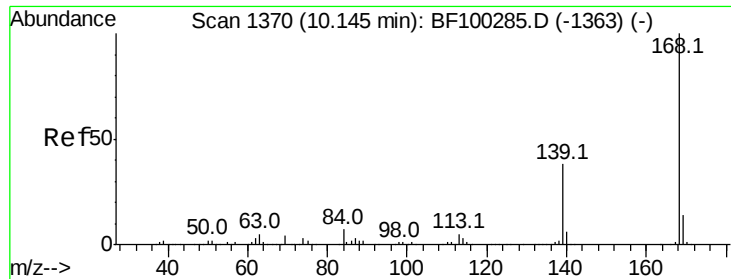
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#51
 Acenaphthene
 Concen: 2.956 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.6		91.2	136.8
152	52.3		43.8	65.8





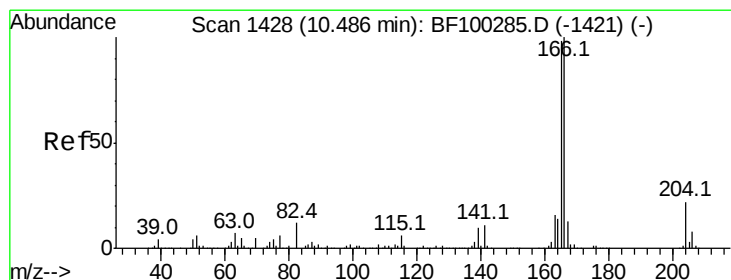
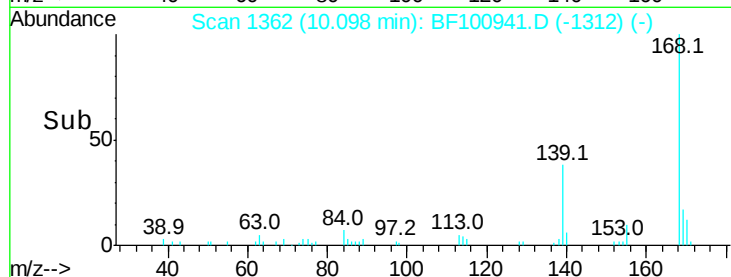
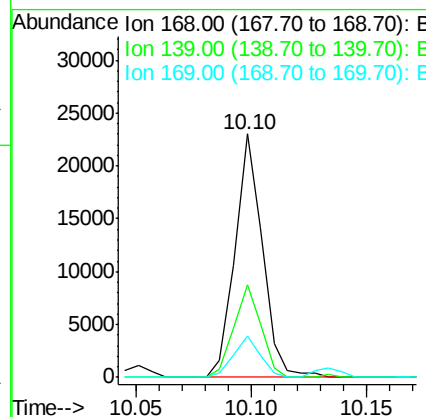
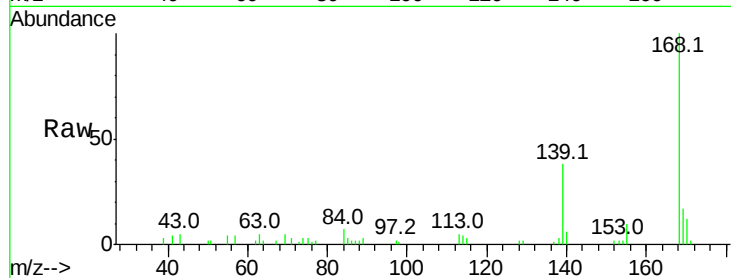
#54
Dibenzenofuran
Concen: 2.264 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1
169	17.2	10.9	16.3

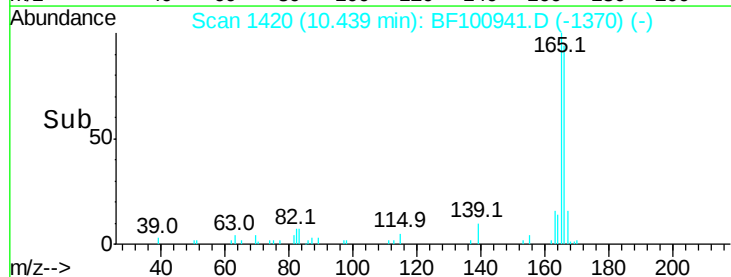
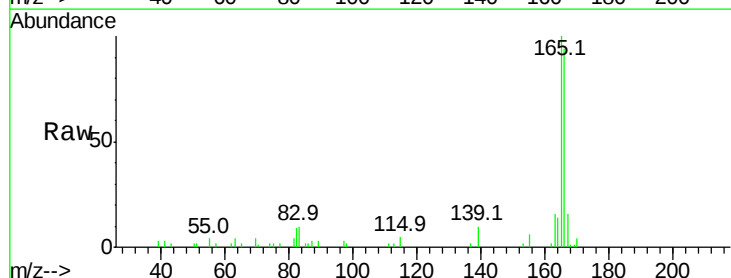
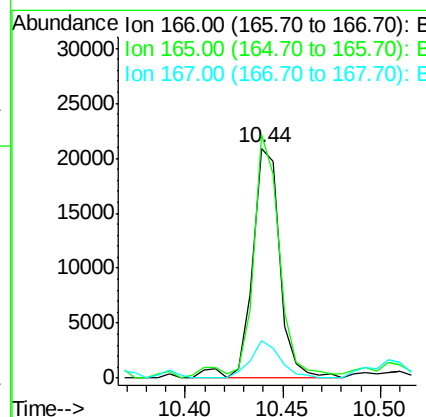
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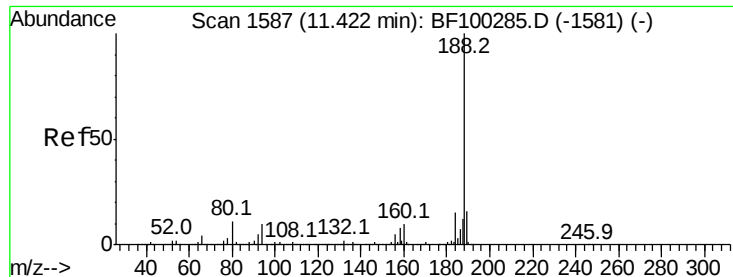
Sohil
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#57
Fluorene
Concen: 3.323 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.8	119.8
167	16.5	10.6	16.0





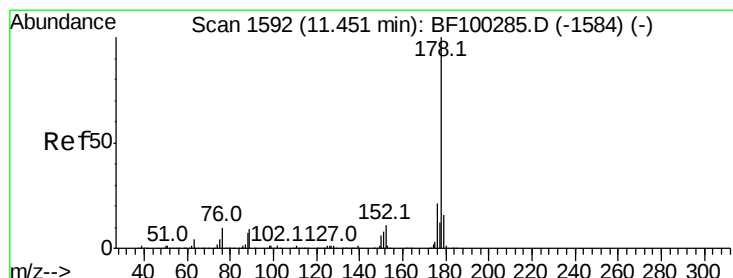
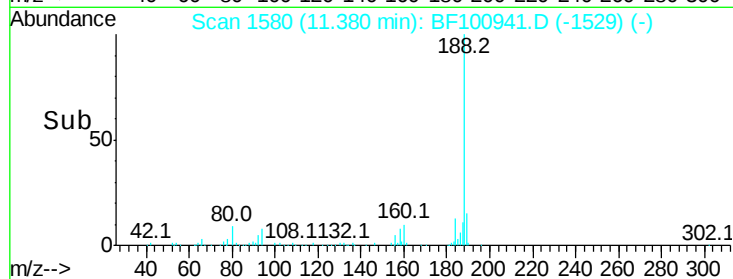
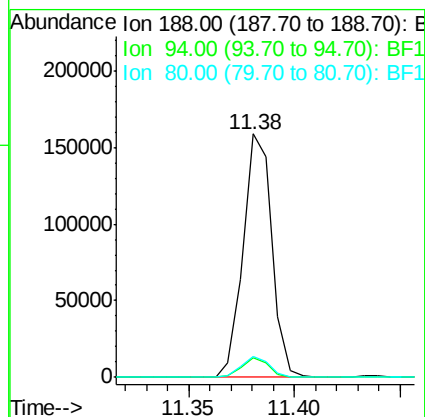
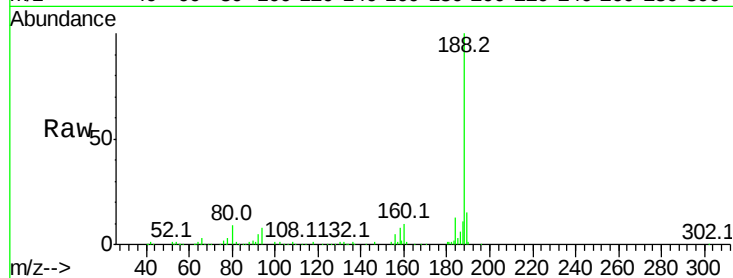
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.8	9.2	13.8#

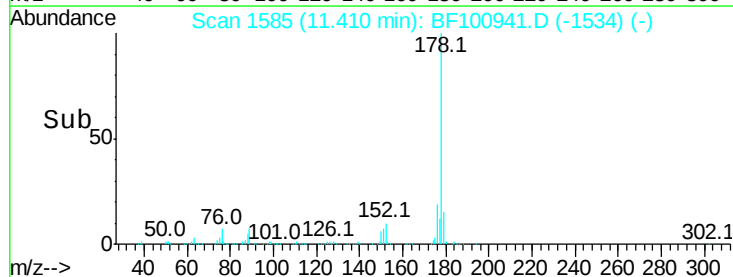
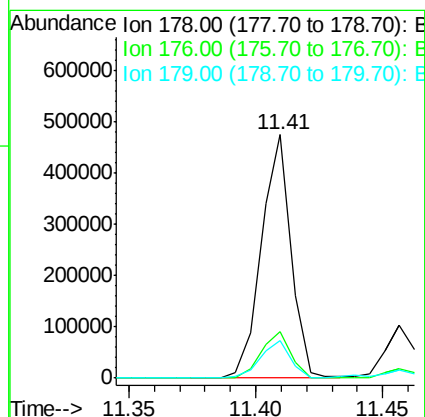
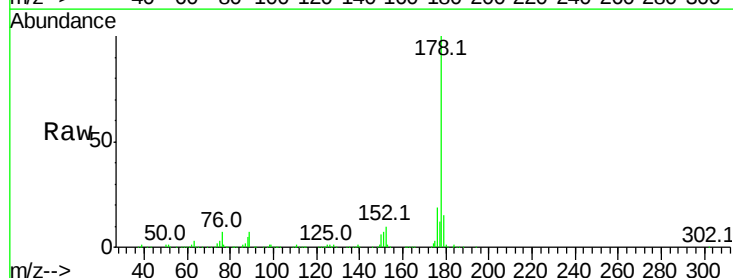
Manual Integrations
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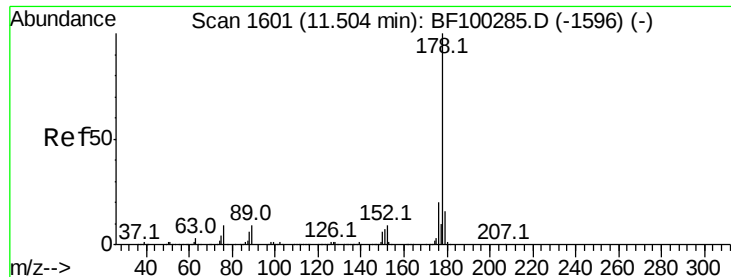
Sohil
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#70
Phenanthrene
Concen: 48.807 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6





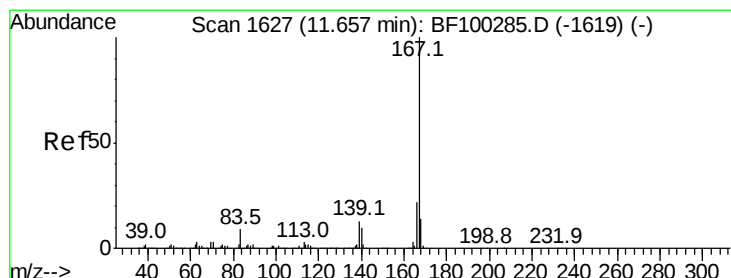
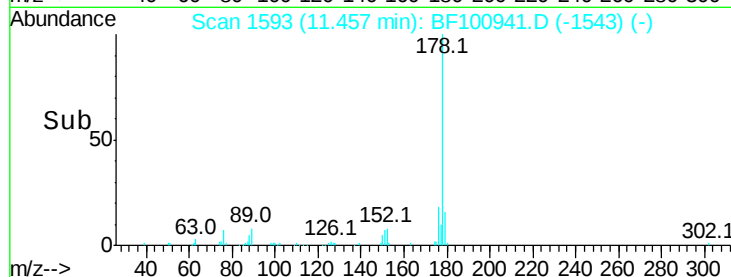
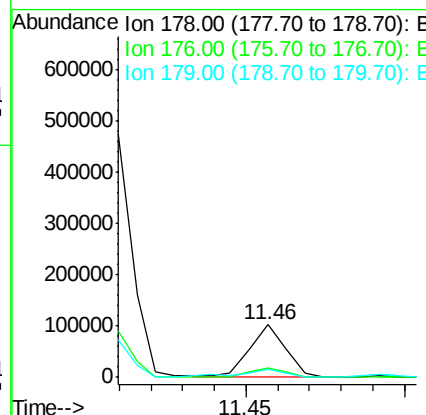
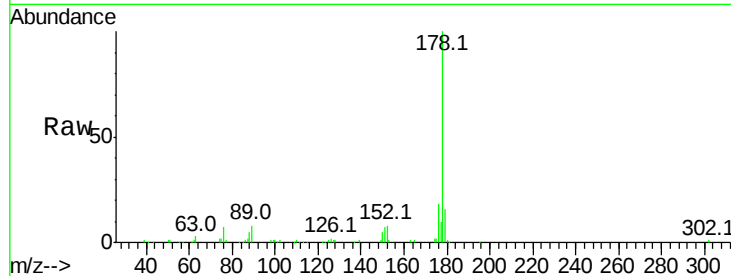
#71
 Anthracene
 Concen: 9.949 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	19.0

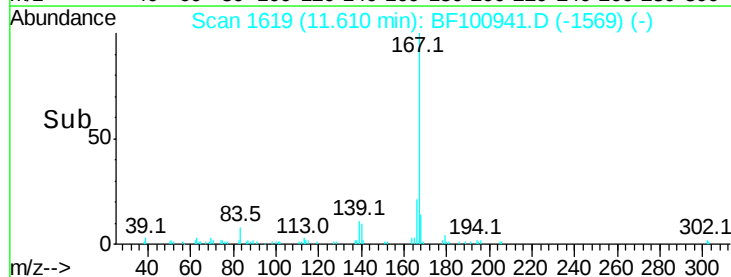
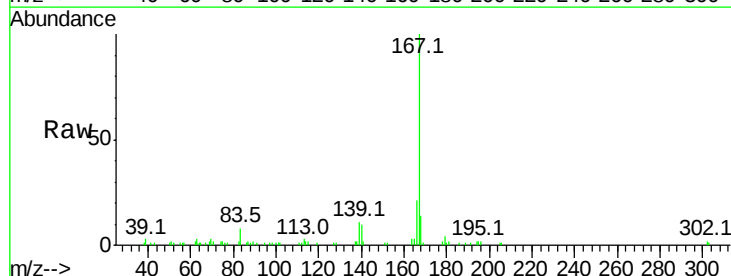
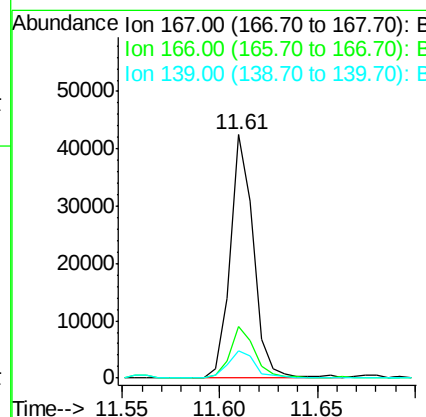
Manual Integrations
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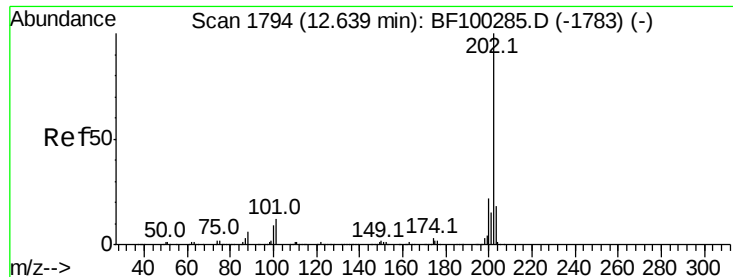
Sohil
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#72
 Carbazole
 Concen: 4.795 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	11.2	10.9	16.3





#74

Fluoranthene

Concen: 65.101 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

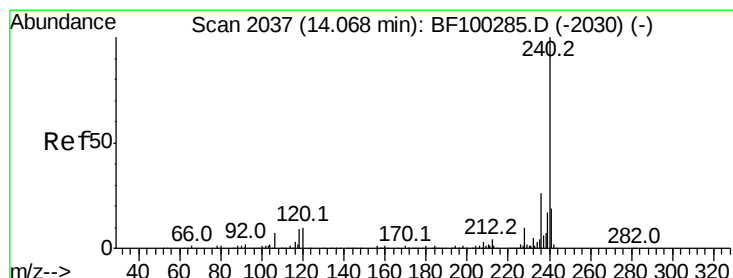
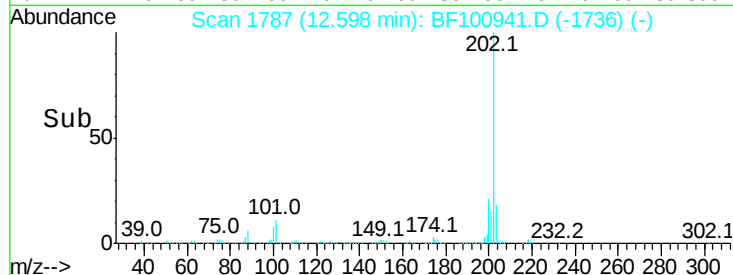
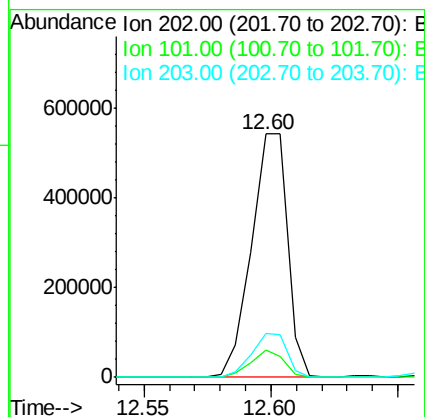
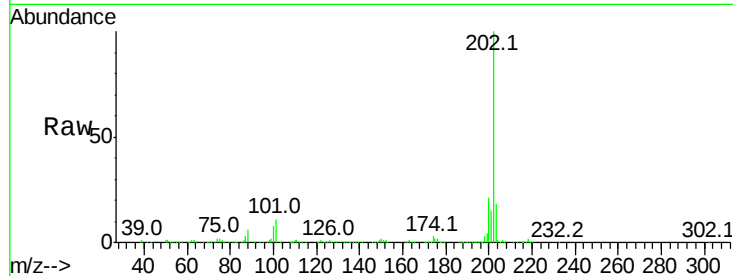
ClientSampleId :

SB-5(0-2)-20171127

Tot Ion:	202	Resp:	542105
Ion Ratio		Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

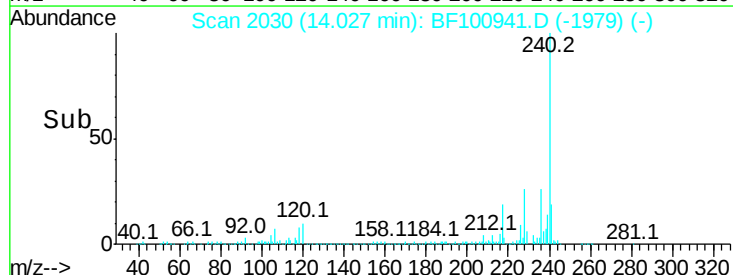
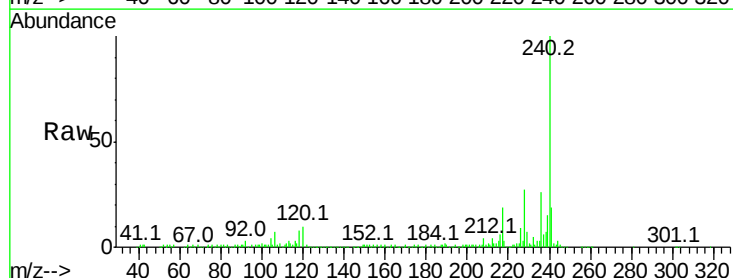
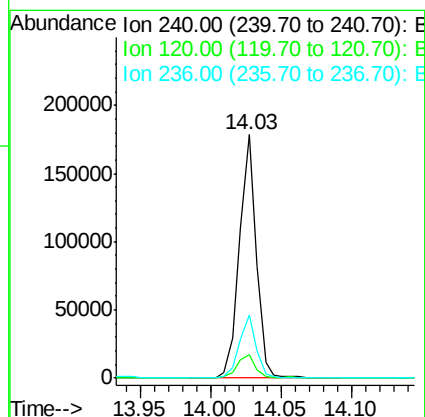
RT: 14.03 min Scan# 2030

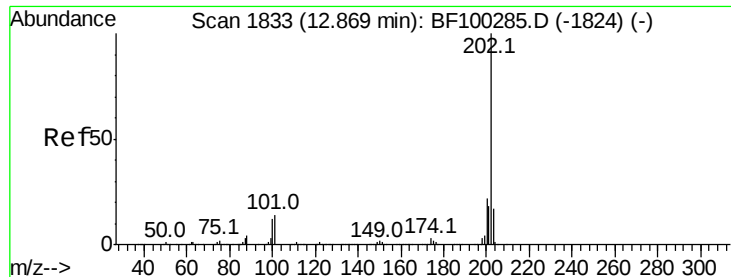
Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion:	240	Resp:	149693
Ion Ratio		Lower	Upper
240	100		
120	9.7	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 45.837 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

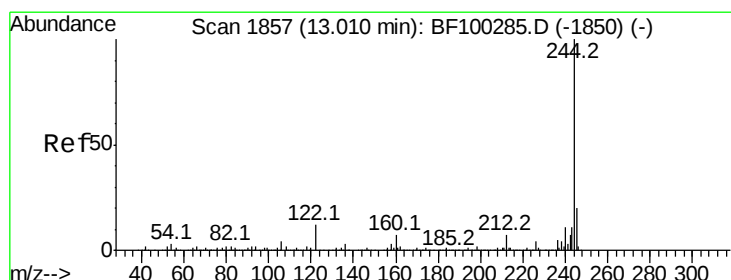
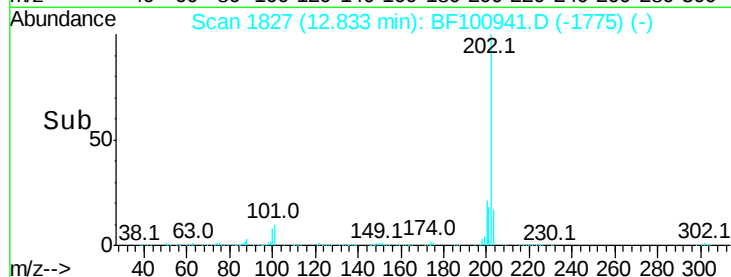
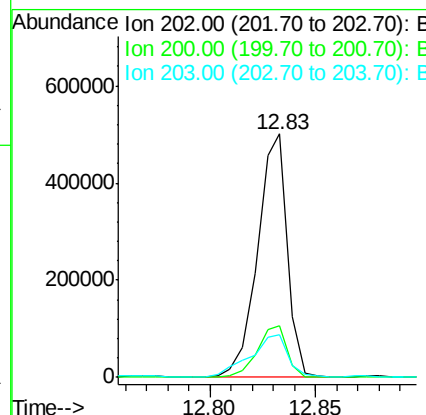
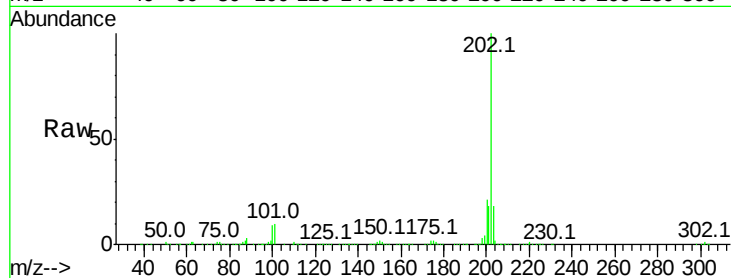
ClientSampleId :

SB-5(0-2)-20171127

Tot Ion:	202	Resp:	489118
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 60.675 ng

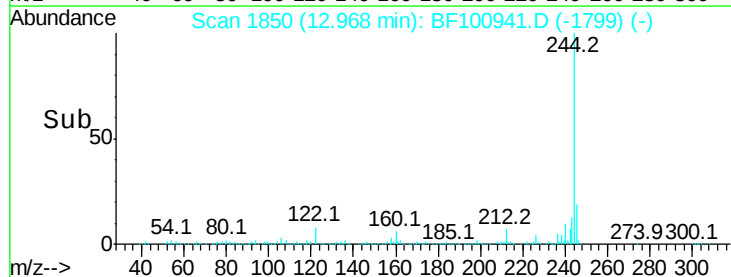
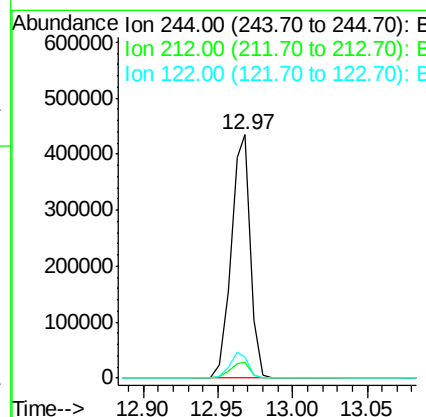
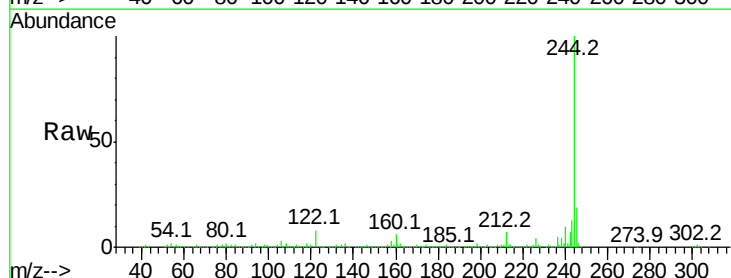
RT: 12.97 min Scan# 1850

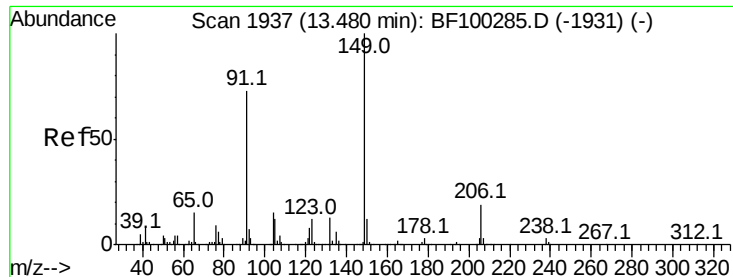
Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion:	244	Resp:	395292
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.5	11.0	16.4#





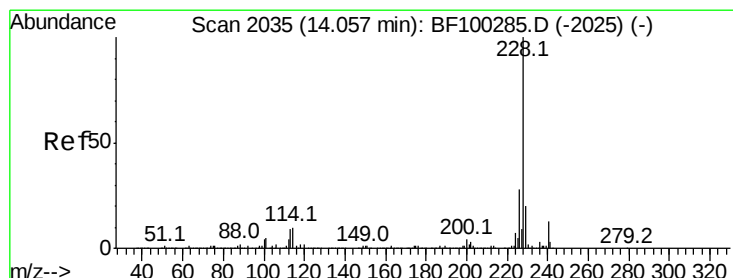
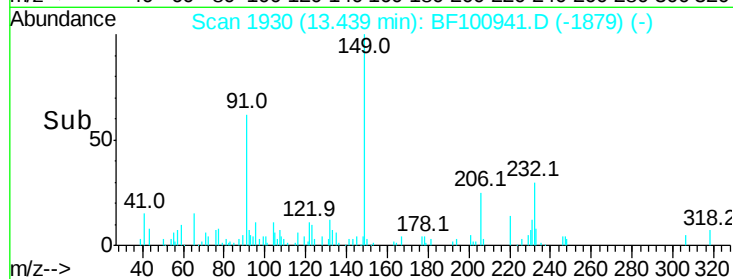
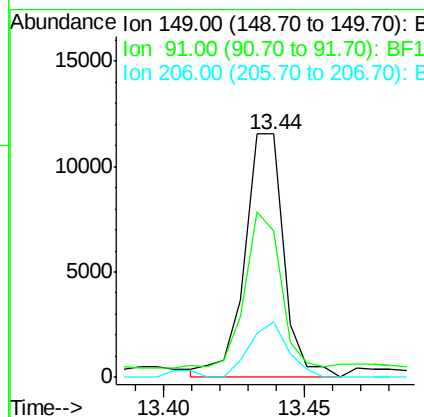
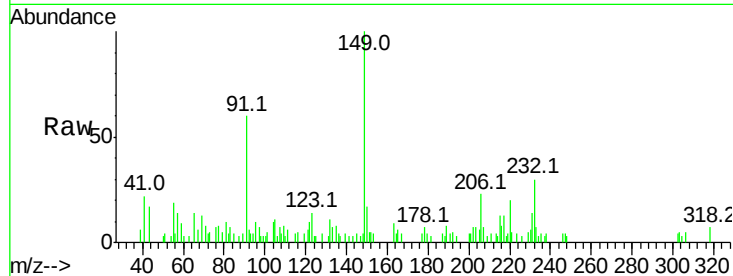
#79
 Butylbenzylphthalate
 Concen: 2.564 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

Tot Ion:	149	Resp:	11159
Ion Ratio	Lower	Upper	
149	100		
91	60.2	56.8	85.2
206	22.6	14.1	21.1#

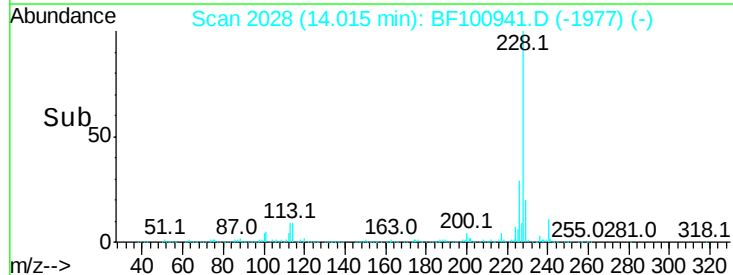
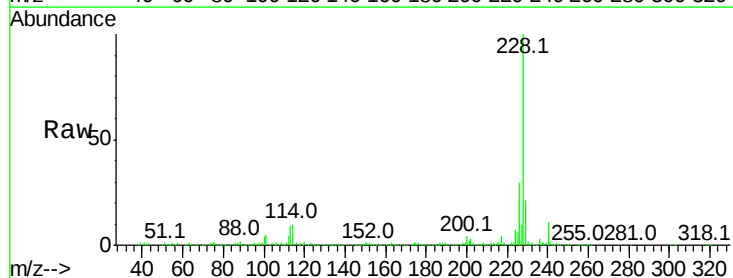
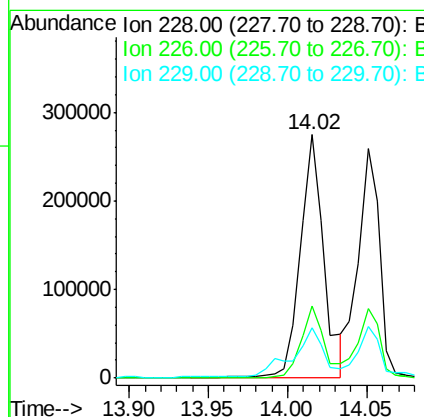
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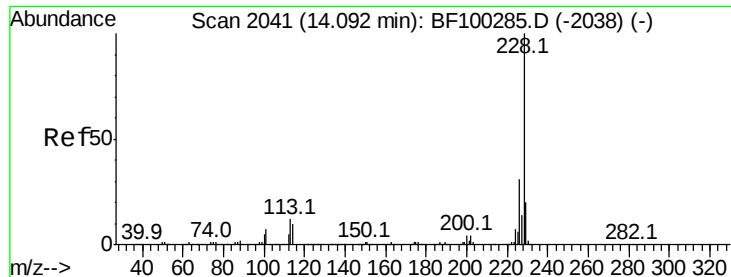
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#80
 Benzo(a)anthracene
 Concen: 31.603 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion:	228	Resp:	284884
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 27.987 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

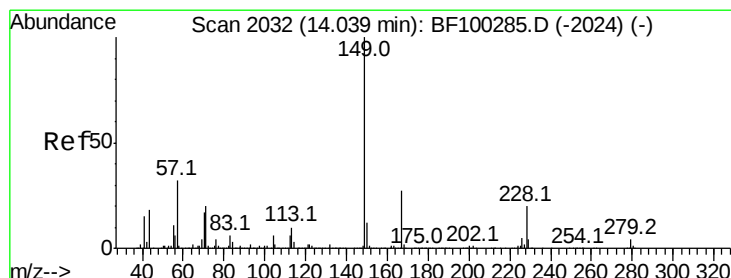
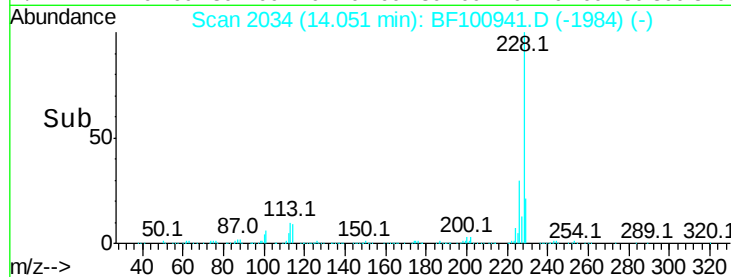
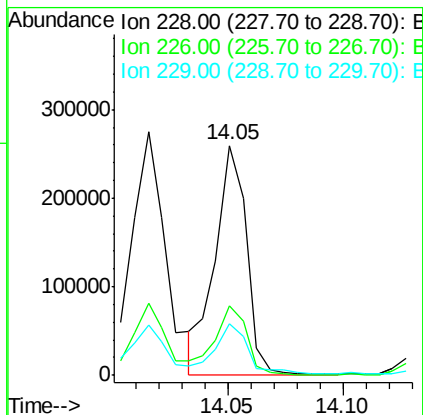
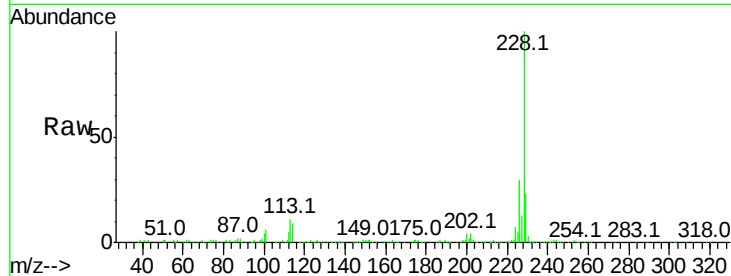
ClientSampleId :

SB-5(0-2)-20171127

Tot Ion:	228	Resp:	244310
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.5	16.2	24.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.044 ng

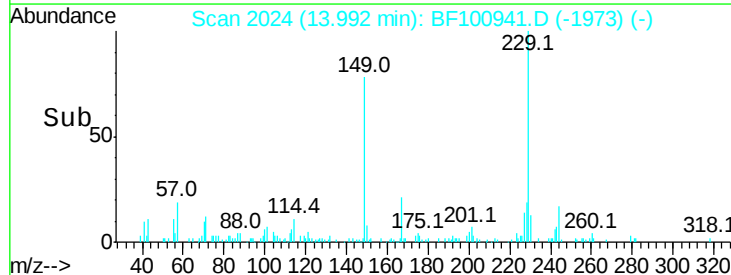
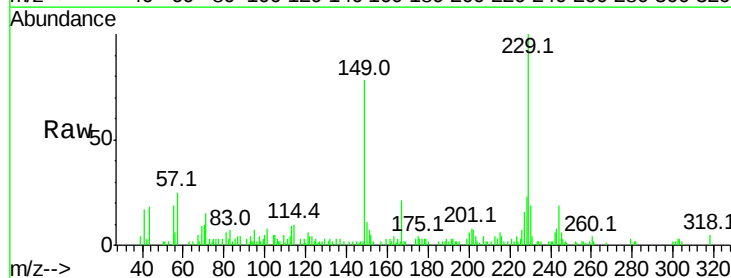
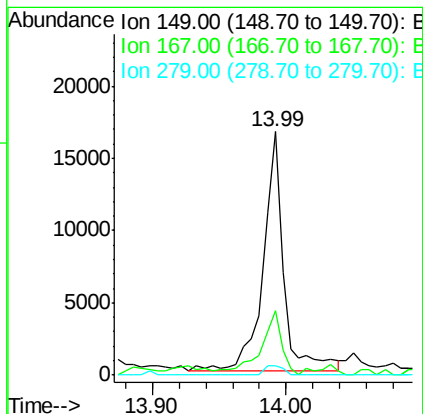
RT: 13.99 min Scan# 2024

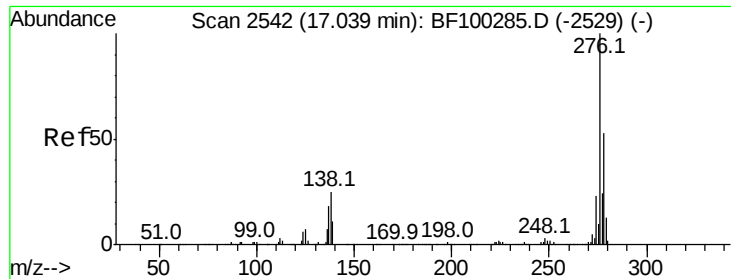
Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion:	149	Resp:	17423
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.3	31.9
279	3.9	3.0	4.4





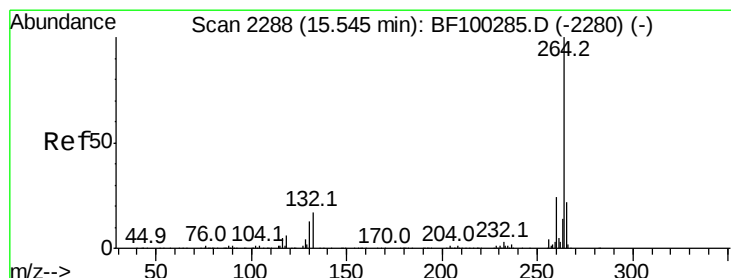
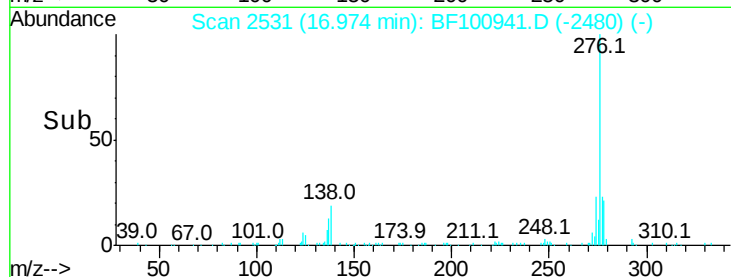
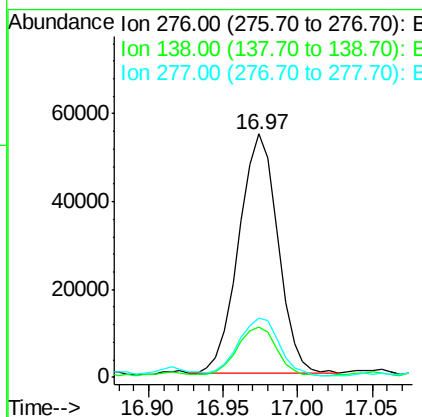
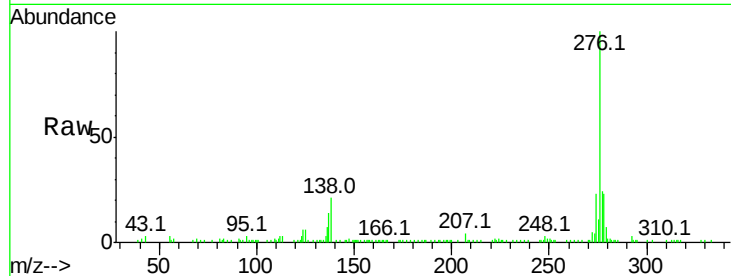
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.045 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	25.0	37.6#
277	24.5	20.1	30.1

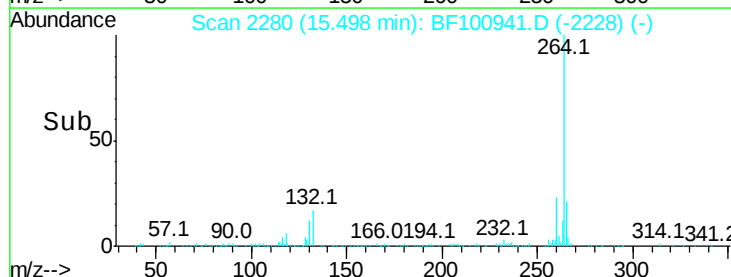
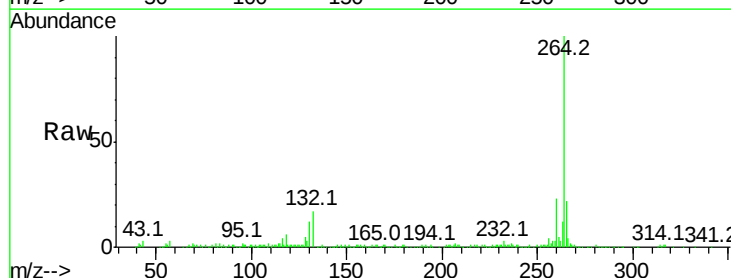
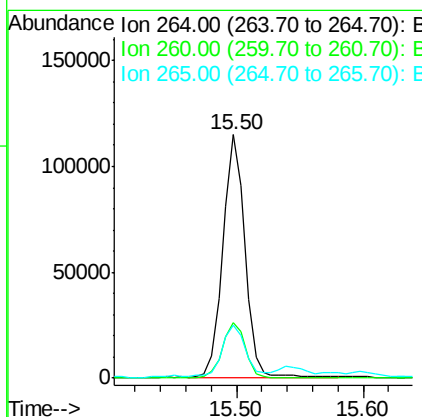
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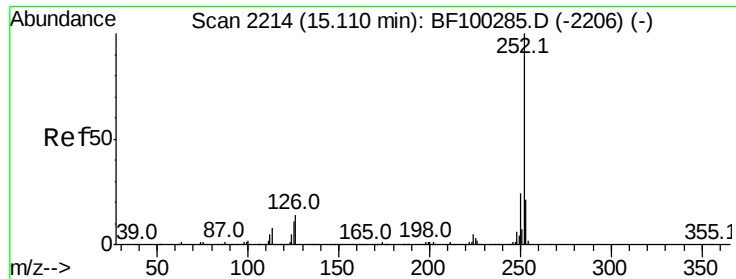
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	17.5	26.3





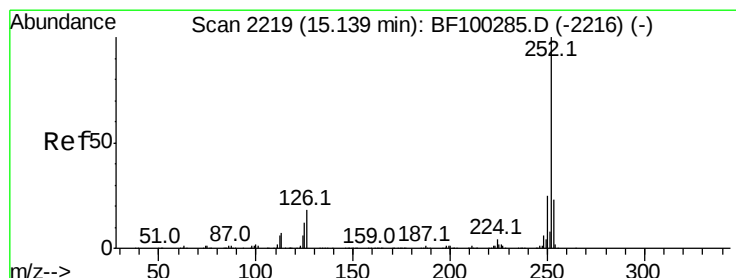
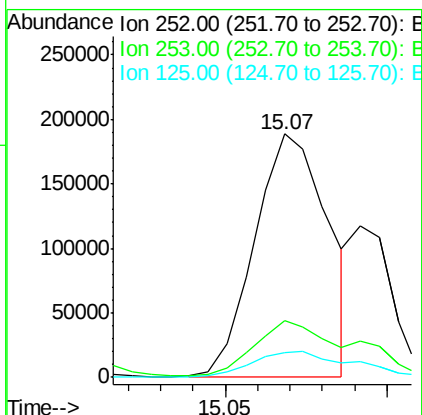
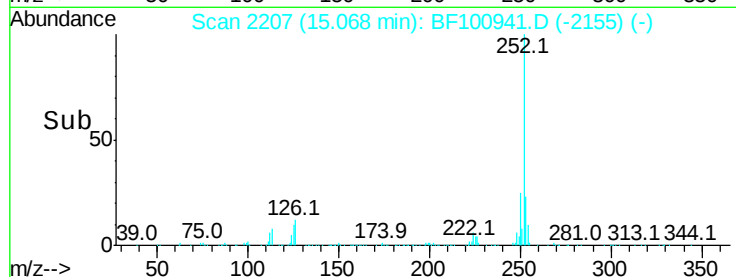
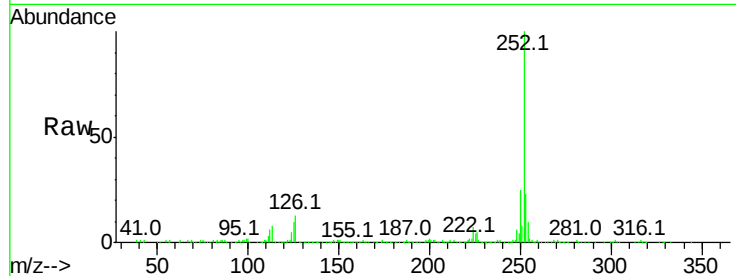
#87
Benzo(b)fluoranthene
Concen: 36.801 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	10.2	9.0	13.6

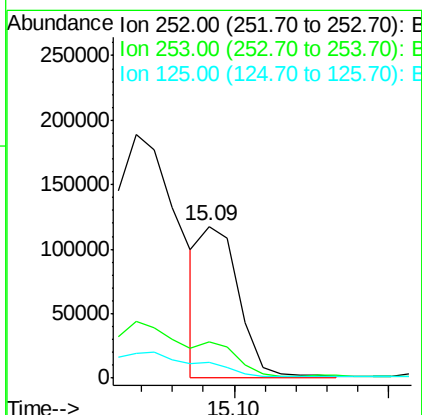
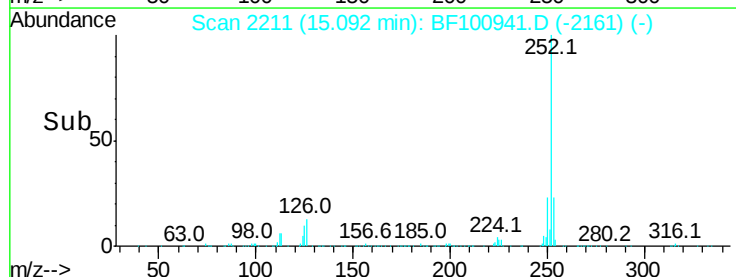
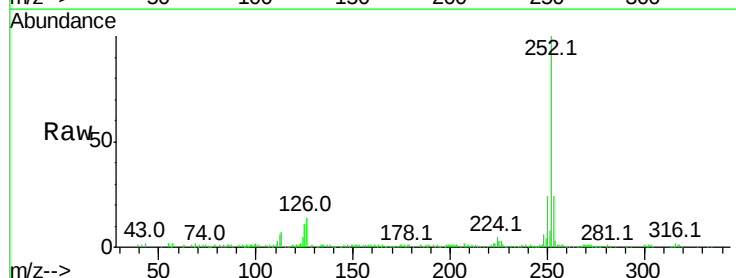
Manual Integrations
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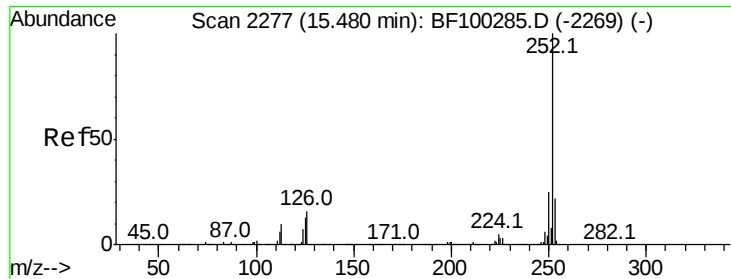
Sohil
11/29/2017 4:28:43 PM



#88
Benzo(k)fluoranthene
Concen: 13.115 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.6	10.2	15.2





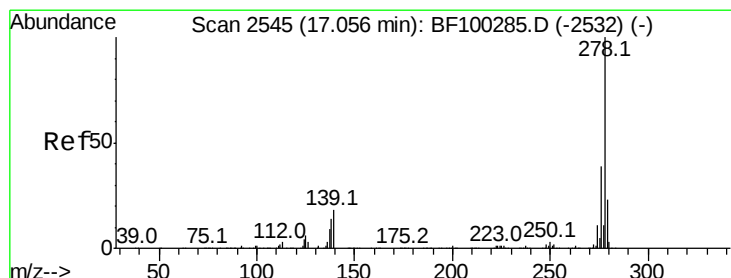
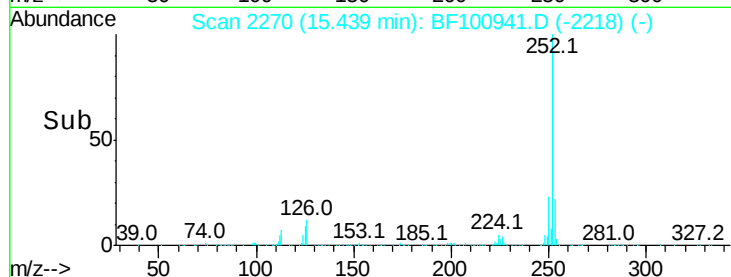
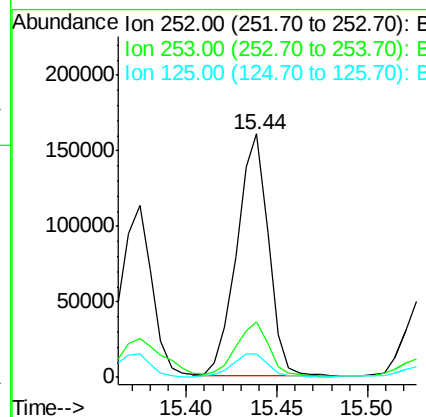
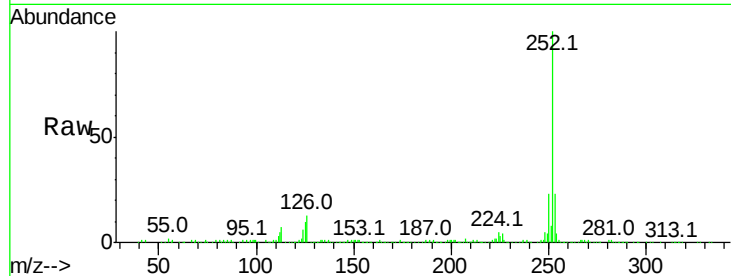
#89
Benzo(a)pyrene
Concen: 26.946 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.9	9.8	14.6

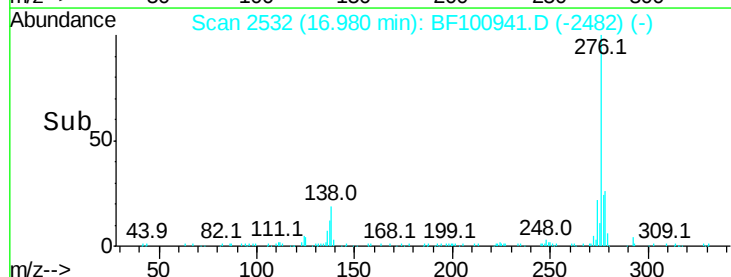
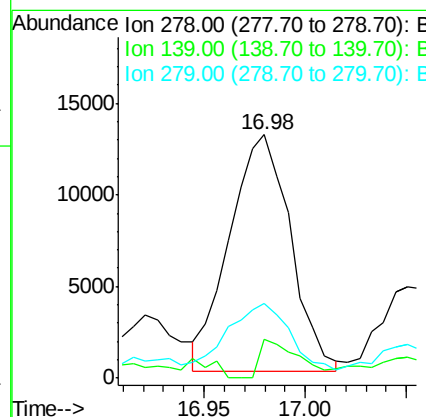
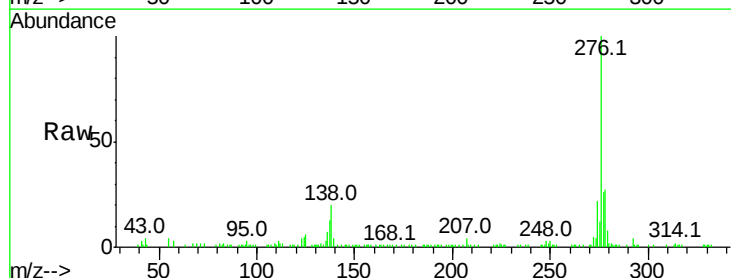
Manual Integrations
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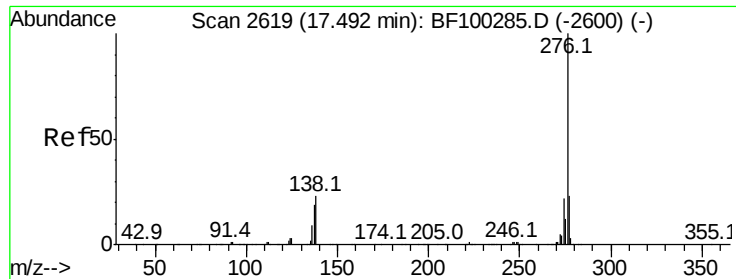
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#90
Dibenzo(a,h)anthracene
Concen: 4.552 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	15.9	23.9
279	30.6	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 16.256 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)-20171127

Tot Ion:	276	Resp:	94145
Ion Ratio	Lower	Upper	
276	100		
277	25.1	17.9	26.9
138	21.0	21.8	32.8#

Manual Integrations
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